

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
<u>NEWS 4</u>	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
<u>NEWS 5</u>	FEB 05	German (DE) application and patent publication number format changes
<u>NEWS 6</u>	MAR 03	MEDLINE and LMEDLINE reloaded
<u>NEWS 7</u>	MAR 03	MEDLINE file segment of TOXCENTER reloaded
<u>NEWS 8</u>	MAR 03	FRANCEPAT now available on STN
<u>NEWS 9</u>	MAR 29	Pharmaceutical Substances (PS) now available on STN
<u>NEWS 10</u>	MAR 29	WPIFV now available on STN
<u>NEWS 11</u>	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
<u>NEWS 12</u>	APR 26	PROMT: New display field available
<u>NEWS 13</u>	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
<u>NEWS 14</u>	APR 26	LITALERT now available on STN
<u>NEWS 15</u>	APR 27	NLDB: New search and display fields available
<u>NEWS 16</u>	May 10	PROUSDDR now available on STN
<u>NEWS 17</u>	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
<u>NEWS 18</u>	May 12	EXTEND option available in structure searching
<u>NEWS 19</u>	May 12	Polymer links for the POLYLINK command completed in REGISTRY
<u>NEWS 20</u>	May 17	FRFULL now available on STN
<u>NEWS 21</u>	May 27	STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
<u>NEWS 22</u>	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
<u>NEWS 23</u>	May 27	CAplus super roles and document types searchable in REGISTRY
<u>NEWS 24</u>	May 27	Explore APOLLIT with free connect time in June 2004
<u>NEWS EXPRESS</u>		MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>		General Internet Information
<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS PHONE</u>		Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 11:50:03 ON 18 JUN 2004

```
=> drilling fluid and (formate or acetate)
DRILLING IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 11:50:49 ON 18 JUN 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 18 Jun 2004 VOL 140 ISS 26
 FILE LAST UPDATED: 17 Jun 2004 (20040617/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s drilling fluid and (formate or acetate)

27439 DRILLING
 354200 FLUID
 5774 DRILLING FLUID
 (DRILLING(W) FLUID)
 37528 FORMATE
 470708 ACETATE

L1 133 DRILLING FLUID AND (FORMATE OR ACETATE)

=> s l1 and (oil based or water-in-oil or oil-in-water or invert)

679461 OIL
 1625428 BASED
 6076 OIL BASED
 (OIL(W) BASED)
 2137751 WATER
 679461 OIL
 21878 WATER-IN-OIL
 (WATER(1W)OIL)
 679461 OIL
 2137751 WATER
 30792 OIL-IN-WATER
 (OIL(1W)WATER)
 6393 INVERT

L2 16 L1 AND (OIL BASED OR WATER-IN-OIL OR OIL-IN-WATER OR INVERT)

=> d 12 1-16

L2 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2004:142782 CAPLUS
 DN 140:166507
 TI Reduced-density drilling fluids containing glass, ceramic, or polymer hollow microspheres
 IN Shinbach, Madeline P.; Nwabunma, Domasius; Chan, Hua T.; D'Souza, Andrew S.
 PA 3M Innovative Properties Company, USA
 SO U.S. Pat. Appl. Publ., 14 pp.
 CODEN: USXXCO
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>US 2004033905</u>	A1	20040219	<u>US 2002-218962</u>	20020814
	<u>WO 2004016707</u>	A1	20040226	<u>WO 2003-US17370</u>	20030603
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
PRAI	<u>US 2002-218962</u>	A	20020814		

L2 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:506467 CAPLUS
 DN 140:218582
 TI Production of amphotolytic polyelectrolytes by oxidative hydrolysis of polyacrylamides prepared by emulsion polymerization
 IN Orlyanskii, V. V.; Orlyanskii, M. V.; Fedoseev, S. A.
 PA Obshchestvo s Ogranichennoi Otvetstvennost'yu Nauchno-Proizvodstvennoe Predpriyatie "KF", Russia
 SO Russ., No pp. given
 CODEN: RUXXE7
 DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>RU 2203906</u>	C1	20030510	<u>RU 2001-131847</u>	20011126
PRAI	<u>RU 2001-131847</u>		20011126		

L2 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:334751 CAPLUS
 DN 139:365404
 TI Production of anionic polyelectrolytes by radical emulsion polymerization
 IN Orlyanskii, V. V.; Orlyanskii, M. V.; Fedoseev, S. A.
 PA Obshchestvo s Ogranichennoi Otvetstvennost'yu Nauchno-Proizvodstvennoe Predpriyatie "KF", Russia
 SO Russ., No pp. given
 CODEN: RUXXE7
 DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>RU 2195464</u>	C1	20021227	<u>RU 2001-131843</u>	20011126
PRAI	<u>RU 2001-131843</u>		20011126		

L2 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:301155 CAPLUS
 DN 138:323694
 TI Invert-emulsion drilling fluids containing potassium **formate** and tall oil-based emulsifiers
 IN Mackey, Rusty R.; Gatlin, Larry W.
 PA Clearwater, Inc., USA

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003031534	A1	20030417	WO 2002-US32213	20021009
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003092580	A1	20030515	US 2002-267728	20021009
	GB 2395967	A1	20040609	GB 2004-2079	20021009
	NO 2003002569	A	20030807	NO 2003-2569	20030606
PRAI	US 2001-328607P	P	20011011		
	WO 2002-US32213	W	20021009		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text
 Citing References

AN 2003:118233 CAPLUS

DN 138:173105

TI Shear-sensitive plugging fluids for plugging of fluid loss zones in petroleum wells and reservoirs

IN Maberry, Jack; Garrison, Greg; Garnier, Andre

PA Fr.

SO U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003029616	A1	20030213	US 2002-172266	20020614
PRAI	US 2001-309538P	P	20010802		
	US 2001-334444P	P	20011129		

L2 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text
 Citing References

AN 2002:793716 CAPLUS

DN 137:313278

TI High-molecular-weight amphiphilic surfactants as emulsifiers for water-in-oil emulsion drilling fluids fluid

IN Palmgren, Odd; Teigen, Aslak; Obrestad, Torstein

PA Norsk Hydro Asa, Norway

SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002081590	A1	20021017	WO 2002-NO136	20020408
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

NO 2001001787 A 20021010 NO 2001-1787 20010409

PRAI NO 2001-1787 A 20010409

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2002:605338 CAPLUS
 DN 138:139732
 TI Development of an **oil-based** gravel-pack carrier fluid
 AU Kelkar, S.; Parlar, M.; Price-Smith, C.; Hurst, G.; Brady, M.; Morris, L.
 CS Schlumberger, USA
 SO SPE International Symposium on Oilfield Chemistry, Conference Proceedings,
 Houston, TX, United States, Feb. 13-16, 2001 (2001), 10-17 Publisher:
 Society of Petroleum Engineers, Richardson, Tex.
 CODEN: 69CZJT
 DT Conference; (computer optical disk)
 LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2002:591557 CAPLUS
 DN 137:157016
 TI Additive for an **oil-based** inverted emulsion **drilling fluid**
 IN Mueller, Heinz; Burbach, Frank
 PA Cognis Deutschland G.m.b.H. & Co. K.-G., Germany
 SO Ger. Offen., 6 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10104869	A1	20020808	DE 2001-10104869	20010203
	WO 2002062919	A1	20020815	WO 2002-EP772	20020125
	W: AU, BR, CA, MX, NO, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE, TR				
	EP 1358298	A1	20031105	EP 2002-714112	20020125
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, FI, CY, TR				
	BR 2002006858	A	20040113	BR 2002-6858	20020125
	US 2004058824	A1	20040325	US 2003-470037	20031001
PRAI	DE 2001-10104869	A	20010203		
	WO 2002-EP772	W	20020125		
OS	MARPAT 137:157016				

L2 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2002:551498 CAPLUS
 DN 137:96094
 TI Method for reducing borehole erosion in shale formations
 IN Krieger, Darrell L.
 PA Halliburton Energy Services, Inc., USA

SO U.S., 6 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>US 6422325</u>	B1	20020723	<u>US 2001-972366</u>	20011005
	<u>WO 2002068559</u>	A1	20020906	<u>WO 2001-US48960</u>	20011218
	W: CA, NO				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	<u>NO 2002006205</u>	A	20021223	<u>NO 2002-6205</u>	20021223
PRAI	<u>US 2001-972366</u>	A	20011005		
	<u>WO 2001-US48960</u>	W	20011218		

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 1998:62218 CAPLUS
DN 128:142984
TI Solid-free wellbore fluid
IN Van Slyke, Donald C.
PA Union Oil Company, USA
SO U.S., 11 pp., Cont.-in-part of U.S. Ser. No. 55,510, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>US 5710111</u>	A	19980120	<u>US 1994-251568</u>	19940531
	<u>US 5556832</u>	A	19960917	<u>US 1992-948509</u>	19920921
	<u>US 5696058</u>	A	19971209	<u>US 1995-440260</u>	19950512
PRAI	<u>US 1992-948509</u>	A2	19920921		
	<u>US 1993-55510</u>	B2	19930430		

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 1996:307823 CAPLUS
DN 124:321200
TI Method of and system for flushing boreholes
IN Astleford, John
PA UK
SO PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>WO 9605408</u>	A1	19960222	<u>WO 1995-GB1936</u>	19950816
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ				
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	<u>CA 2197477</u>	AA	19960222	<u>CA 1995-2197477</u>	19950816
	<u>AU 9532282</u>	A1	19960307	<u>AU 1995-32282</u>	19950816

EP 776410	A1	19970604	EP 1995-928564	19950816
R: AT, DE, DK, FR, GB, IE, IT, NL				
PRAI	GB 1994-16586	19940817		
	WO 1995-GB1936	19950816		

L2 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 1993:62909 CAPLUS
 DN 118:62909
 TI Drilling fluid
 IN Elliott, Gregory Phillip
 PA British Petroleum Co. PLC, UK
 SO Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 495579	A2	19920722	EP 1992-300151	19920108
	EP 495579	A3	19930317		
	EP 495579	B1	19960228		
	R: BE, DE, ES, FR, GB, IT, NL				
	CA 2058856	AA	19920713	CA 1992-2058856	19920107
	CA 2058856	C	20030311		
	ES 2083674	T3	19960416	ES 1992-300151	19920108
	NO 9200121	A	19920713	NO 1992-121	19920109
PRAI	GB 1991-699	A	19910112		

L2 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 1991:586574 CAPLUS
 DN 115:186574
 TI Compositions for oil-base drilling fluids
 IN Rines, Steven P.
 PA M-1 Drilling Fluids Co., USA
 SO Can. Pat. Appl., 40 pp.
 CODEN: CPXXEB
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2027504	AA	19910514	CA 1990-2027504	19901012
	US 935	H1	19910702	US 1989-435072	19891113
PRAI	US 1989-435072		19891113		

L2 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 1991:188877 CAPLUS
 DN 114:188877
 TI Use of selected lower carboxylic acid ester oils in drilling fluids
 IN Mueller, Heinz; Herold, Claus Peter; Von Tapavicza, Stephen; Neuss, Michael; Burbach, Frank
 PA Henkel K.-G.a.A., Germany; Cognis Deutschland GmbH & Co. KG
 SO Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 386638	A1	19900912	EP 1990-104027	19900301
	EP 386638	B1	19930317		

<u>EP 386638</u>	B2	20031203		
R: GR				
<u>DE 3907391</u>	A1	19900913	<u>DE 1989-3907391</u>	19890308
<u>CA 2047697</u>	AA	19900909	<u>CA 1990-2047697</u>	19900301
<u>CA 2047697</u>	C	20010731		
<u>WO 9010682</u>	A1	19900920	<u>WO 1990-EP342</u>	19900301
W: AU, BR, CA, JP, NO, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
<u>AU 9051823</u>	A1	19901009	<u>AU 1990-51823</u>	19900301
<u>AU 624926</u>	B2	19920625		
<u>BR 9007192</u>	A	19911210	<u>BR 1990-7192</u>	19900301
<u>EP 462160</u>	A1	19911227	<u>EP 1990-904323</u>	19900301
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
<u>JP 04503965</u>	T2	19920716	<u>JP 1990-504168</u>	19900301
<u>JP 2834319</u>	B2	19981209		
<u>AT 87020</u>	E	19930415	<u>AT 1990-104027</u>	19900301
<u>ES 2042101</u>	T3	19931201	<u>ES 1990-104027</u>	19900301
<u>ZA 9001759</u>	A	19901128	<u>ZA 1990-1759</u>	19900307
<u>NO 9103239</u>	A	19910819	<u>NO 1991-3239</u>	19910819
<u>NO 172501</u>	B	19930419		
<u>NO 9300158</u>	A	19910819	<u>NO 1993-158</u>	19930118
<u>US 5318954</u>	A	19940607	<u>US 1993-84783</u>	19930629
<u>PRAI DE 1989-3907391</u>	A	19890308		
<u>EP 1990-104027</u>	A	19900301		
<u>WO 1990-EP342</u>	A	19900301		
<u>NO 1991-3239</u>	A1	19910819		
<u>US 1991-752694</u>	B1	19910906		

L2 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text Citing References

AN 1978:445985 CAPLUS
 DN 89:45985
 TI Structural-rheological properties of petroleum clay suspensions
 AU Miskarli, A. K.; Abduragimova, L. A.; Musaev, G. M.
 CS Inst. Neorg. Fiz. Khim., Baku, USSR
 SO Azerbaidzhanskii Khimicheskii Zhurnal (1977), (5), 78-83
 CODEN: AZKZAU; ISSN: 0005-2531
 DT Journal
 LA Russian

L2 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text Citing References

AN 1975:518403 CAPLUS
 DN 83:118403
 TI Well completion and workover fluid
 IN Fischer, Paul W.; Pye, David S.; Gallus, Julius P.
 PA Union Oil Co., USA
 SO U.S., 7 pp.
 CODEN: USXXAM
 DT Patent
 LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	<u>US 3882029</u>	A	19750506	<u>US 1972-293388</u>	19720929
	<u>CA 990059</u>	A1	19760601	<u>CA 1973-172444</u>	19730528
	<u>US 3979304</u>	A	19760907	<u>US 1974-525366</u>	19741120
	<u>US 3979305</u>	A	19760907	<u>US 1974-531603</u>	19741211
	<u>US 3989632</u>	A	19761102	<u>US 1975-539686</u>	19750109
<u>PRAI</u>	<u>US 1972-293388</u>		19720929		
	<u>US 1972-293389</u>		19720929		

=> d 12 10-16 abs

L2 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Citing References

AB Solid-free, essentially all-oil and **invert** emulsion wellbore fluids are employed in well drilling, completion, and workover operations. Techniques for remediating dense arom. solvents wellbore fluids entail removal and/or dissoln. of particulate matter.

L2 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Citing References

AB A system for flushing boreholes during drilling, includes a flushing circuit comprising a reservoir contg. a flushing liq. having sufficient d. to oppose the formation pressure of fluids in the geol. strata through which the borehole is drilled and sufficient viscosity to entrain detritus particles from the drilling operation, pumps and appropriate pipelines for circulating the flushing liq. from the reservoir to the borehole, for receiving the return flow from the borehole and for directing a major proportion of the return flow from the borehole to centrifuges of the system capable of sepg. detritus contained in the flushing liq. from the return flow, the cleansed flow from the centrifuge and any return flow bypassing the centrifuge, being returned to the reservoir for reconditioning and recycling to the borehole. A method of flushing a borehole during drilling using the above system is also described.

L2 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Citing References

AB The water-based **drilling fluid** contains a K salt, e.g., KCl, and a polyalkylene glycol having the formula R1-(CH₂-C(R)H-O)_n-H (R = H, Me; R1 = H, Cl-4 alkyl; n = 4-200). In the case of tetra- and higher-mol. wt. polyalkylene glycols, there is a synergistic clay stabilizing effect between these compds. and the K salt. The water-based drilling fluids have thermal stability, lubricity, and shale inhibition close to that of conventional **oil-based** drilling fluids and are environmentally compatible.

L2 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Citing References

AB The **drilling fluid** comprises a continuous oil phase and a dispersed phase of the aq. soln. contg. nonhalide salts, e.g., KOAc, Ca(OAc)₂, and Na propionate, addnl. with emulsifiers, wetting agents, and other additives for improving rheol. properties and stability. The fluid is more compatible with environmentally acceptable land disposal methods than conventional fluids. Thus, an Escaid-90 base oil 0.73 bbl, brine 0.19 bbl, and KOAc soln. 3.00 wt.% were mixed with VersaMul emulsifier 1.02, VersaCoat emulsifier 1.54, and VG-69 gelling agent 6.00 ppb to obtain a formulated **drilling fluid** with excellent rheol. properties under various conditions.

L2 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Citing References

AB Esters, which are flowable at room temp. and have flash point >80°, from C1-5-monocarboxylic acid and 1- and/or multifunctional alcs., e.g., isotridecyl acetate, are used as oil phase or components of the oil phase for **invert** drilling fluids.

L2 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

 Citing References

AB Kaolinite and bentonite suspensions in petroleum contg. a cationic surfactant (octadecylamine acetate [2190-04-7]) and anionic surfactants (synthetic C18-21 fatty acids, Ca salts of acidic petroleum residues) were studied in relation to their use as drilling fluids. **Invert** emulsions, which were obtained by addn. of H₂O to the petroleum suspensions, were

also studied. The structural and rheol. properties of the petroleum suspensions and the **invert** emulsions were similar and are given.

L2 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

[Citing References](#)

AB The **drilling fluid** is an aq. dispersion contg. salt, chrome lignite, hydroxyethyl cellulose [9004-62-0], xanthan gum [11138-66-2], and a dispersion of finely divided, slowly oil-soluble, **water-insoluble** solid particles. The particles consist of a homogeneous solid soln. of wax, an oil soluble glyceryl or sorbitan ester of a fatty acid, a water dispersible polyethylene glycol ester of a fatty acid, an ethylene-vinyl **acetate** copolymer [24937-78-8], and a fatty alcohol. The fluid prevents reduction in permeability.

=>